



Sequence Listing

<110> Cochran, Andrea G.
Skelton, Nicholas J.
Starovasnik, Melissa A.

<120> Structured Peptide Scaffold For Displaying Turn
Libraries On Phage

<130> P1762R1 US

<140> US 09/592,695
<141> 2000-06-13

<150> US 60/139,017
<151> 1999-06-14

<160> 25

<210> 1
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<220>
<221> UNSURE
<222> 2, 9
<223> Xaa at positions 2 or 9 is Trp, Tyr, Phe, His, Ile, Val or Thr.

<220>
<221> UNSURE
<222> 3, 8
<223> Xaa at positions 3 or 8 is Trp, Tyr, Phe, Leu, Met, Ile or Val.

<400> 1
Cys Xaa Xaa Glu Gly Asn Lys Xaa Xaa Cys
1 5 10

<210> 2
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 2
Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 3
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 3
Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys
1 5 10

<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 4
Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 5
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 5
Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 6
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 6
Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 7
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 7
Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 8
Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 9
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 9
Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 10
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 10
Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 11
Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 12
Cys Thr Lys Val Trp Gln Leu Trp Thr Cys
1 5 10

<210> 13
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 13
Ser Cys Thr Trp Val Trp Gln Leu Leu Thr Cys Lys
1 5 10

<210> 14
<211> 12
<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 14

Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10

<210> 15

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 15

Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys
1 5 10

<210> 16

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<220>

<221> UNSURE

<222> 3

<223> Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<400> 16

Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 17

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<220>

<221> UNSURE

<222> 3

<223> Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<400> 17

Cys Thr Xaa Glu Asn Gly Lys Leu Thr Cys
1 5 10

<210> 18

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<220>
<221> UNSURE
<222> 3
<223> Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<400> 18
Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys
1 5 10

<210> 19
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<220>
<221> UNSURE
<222> 3
<223> Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<400> 19
Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys
1 5 10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<220>
<221> UNSURE
<222> 3
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<400> 20
Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 21
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<220>
<221> UNSURE
<222> 8
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala.

<400> 21
Cys Thr Leu Glu Gly Asn Lys Xaa Thr Cys
1 5 10

<210> 22
<211> 10
<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<220>

<221> UNSURE

<222> 3

<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<400> 22

Cys Thr Xaa Glu Gly Asn Lys Trp Thr Cys
1 5 10

<210> 23

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<220>

<221> UNSURE

<222> 8

<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<400> 23

Cys Thr Trp Glu Gly Asn Lys Xaa Thr Cys
1 5 10

<210> 24

<211> 102

<212> DNA

<213> Artificial Sequence

<220>

<223> synthesized sequence

<400> 24

taataataaaa tggctgatcc gaaccgtttc cgcggtaaag atctgggtgg 50
cgggtactcca aacgaccgc caaccactcc accaactgat agcccaggcg 100
gt 102

<210> 25

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthesized sequence.

<220>

<221> unsure

<222> 19-20, 31-32, 34-35, 37-38, 40-41, 52-53

<223> unknown base

<400> 25

tccgcctcgg cttatgcann stgcacttgg nnsnnsnnsn nsctgacttg 50
tnnsatggct gatccgaacc gt 72